REMARKS

This amendment is submitted in response to the outstanding Office Action dated March 31, 2004 wherein the Examiner rejected claims 1,8 and 15 and objected to claims 2-7, 9-14 and 16-20. Reconsideration of this rejection in view of the following remarks is respectfully requested.

The rejection under 35 USC Section 102

The Examiner rejected claims 1, 8 and 15 as being anticipated by "De Haan et al. (cited and provided by applicant)" but the Examiner did not cite the title or patent number of this reference. Applicants respectfully note that Applicants cited three De Haan references to the Examiner. Applicants believe the Examiner is referring to US Patent Number 5,929,919 and therefore the following comments are with respect to this reference. Applicants respectfully traverse this rejection on the grounds that this reference does not teach or suggest generating motion vectors for motion compensated field rate up-conversion of standard definition size fields, scaling the motion vectors for use in high definition field rate up-conversion; and employing the scaled motion vectors for motion compensated field rate up-conversion of high definition size fields.

The Examiner stated that the system of De Haan involves "inputting a video signal of a film format to element 20;

generating motion estimates for up-conversion of fields (element 30); scaling the motion vectors using element 60; and subsequently up-converting the input fields to high-definition format (i.e. that having an increased field rate, in this case 100Hz; col. 3 lines 7-8) at the output of element 20 thereby meeting claims 1 and 5" (emphasis added). Applicants note that the Examiner is equating high definition format to "increased field rate" when Applicants claims specifically state high definition size fields. Applicants take this opportunity to explain the difference. Each field of a high definition field has more pixels than each field of a standard definition field. An example is as follows: a standard definition size video signal can, for example, have 256 by 256 pixels in each field, an up-converted high definition field can have, for example, 1440 x 1080 pixels in each field, making the size of each field in a high definition picture larger in pixel quantity than a typical standard definition field. Accordingly, Applicants recite standard definition size and high definition size in Applicant's claims. The cited portion of De Haan, as the Examiner pointed out, refers to up conversion to an increased field rate e.g. 25 Hz to 100Hz and is not referring to high definition size as claimed by Applicants. Accordingly, Applicants respectfully submit the claims are allowable over this reference.

Entry of this Amendment reconsideration of the rejections and allowance of all the claims is respectfully requested.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited this date with the United States Postal Service as first-class mail in an envelope addressed to:

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On Apr 30 2004

By _____